

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: MITANI, et al. Examiner: Unknown  
Serial No.: 10/583,706 Group Art Unit: Unknown  
Filed: June 20, 2006 Docket: 20078.0001USWO  
Title: METHOD OF AMPLIFYING NUCLEIC ACID AND METHOD OF  
DETECTING MUTATED NUCLEIC ACID USING THE SAME

CERTIFICATE UNDER 37 CFR 1.6(d): I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on April 12, 2007.

By: 

Name: RALYNN WILHELM

SUBMISSION OF MISSING REQUIREMENTS

Mail Stop MISSING REQUIREMENTS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In connection with the above-identified application, enclosed please find the originally signed Combined Declaration and Power of Attorney. Please charge Deposit Account No. 50-3478 in the amount of \$130.00 to cover the Missing Requirements completion fee.

Respectfully submitted,

**52835**

PATENT TRADEMARK OFFICE

HAMRE, SCHUMANN, MUELLER &  
LARSON, P.C.  
P.O. Box 2902  
Minneapolis, MN 55402  
(612) 455-3800

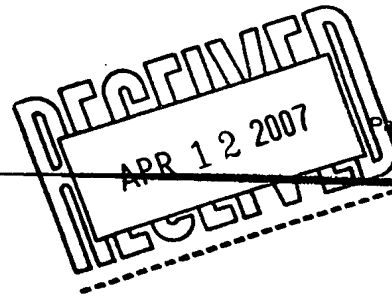
Dated: April 12, 2007By: 

Douglas P. Mueller  
Reg. No. 30,300

DPM:rkw

04/30/2007 SAHME1 00000008 503478 10583706

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**HAMRE, SCHUMANN,  
MUELLER & LARSON, P.C.**  
AN INTERNATIONAL INTELLECTUAL PROPERTY LAW FIRM

FAX TRANSMISSION April 12, 2007

TO: Mail Stop: Missing Requirements  
Examiner:  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

FROM: Douglas P. Mueller

OUR REF: 20078.0001USWO

TELEPHONE: (612) 455.3800

Total pages, including cover letter: 8


PTO FAX NUMBER: 571.273.3201

If all pages are NOT received, please call us at 612.455.3800 or fax us at 612.455.3801.

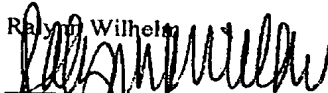
Title of Document: **Submission of Missing Requirements; Signed  
Combined Declaration and Power of Attorney;  
Notification of Missing Requirements**

Applicant: Mitani et al.  
Serial No.: 10/583,706  
App. Filed: June 20, 2006  
Group Art No.: unknown

Please charge \$130 Missing Requirements fee and any additional fees or credit overpayment to Deposit Account No. 50-3478. Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers, if appropriate.

By:   
Name: Douglas P. Mueller  
Reg. No.: 30,300

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Raymond Wilhelm  
  
Signature

April 12, 07  
Date

225 SOUTH SIXTH STREET · SUITE 2650 · MINNEAPOLIS · MN 55402  
TEL 612.455.3800 · FAX 612.455.3801  
WWW.HSML.COM · MAIL@HSML.COM

Page 1 of 2

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U.S. APPLICATION NUMBER NO. 10/583,706	FIRST NAMED APPLICANT Yasumasa Mitani	ATTY. DOCKET NO. 20078.1USWO
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INTERNATIONAL APPLICATION NO. PCT/JP04/19346
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I.A. FILING DATE 12/24/2004	PRIORITY DATE 12/25/2003
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52835  
HAMRE, SCHUMANN, MUELLER & LARSON, P.C.  
P.O. BOX 2902  
MINNEAPOLIS, MN 55402-0902

MR. 2mo: 5/21/2007  
MR. 3mo/PTA: 6/21/2007  
MR. STAT: 9/21/2007



CONFIRMATION NO. 4017  
371 FORMALITIES LETTER  
\*OC000000022997843\*

Date Mailed: 03/21/2007

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/20/2006
- English Translation of the IA filed on 06/20/2006
- Copy of the International Search Report filed on 06/20/2006
- Information Disclosure Statements filed on 09/25/2006
- Biochemical Sequence Diskette filed on 06/20/2006
- Oath or Declaration filed on 06/20/2006
- Biochemical Sequence Listing filed on 06/20/2006
- Request for Immediate Examination filed on 06/20/2006
- U.S. Basic National Fees filed on 06/20/2006
- Priority Documents filed on 06/20/2006

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

ND

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.
- This application does not contain a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d). Applicant must provide such statement. If the effective filing date is on or after September 8, 2000, see the final rulemaking notice published in the Federal Register at 65 FR 54604 (September 8, 2000) and 1238 OG 145 (September 19, 2000).

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

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SHAKEEL AHMED

Telephone: (703) 308-9140 EXT 208

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/583,706	PCT/JP04/19346	20078.1USWO

FORM PCT/DO/EO/905 (371 Formalities Notice)